





Add-On 2.4 GHz Wireless Color Camera



Owner's Manual
Please read before using this equipment.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		

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used by RadioShack Corporation.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

The graphical symbols with supplemental markings are located on the back of the AC adapter.

Features

Your RadioShack Add-On 2.4 GHz Wireless Color Camera is a small, compact CMOS color camera with a built-in 2.4 GHz video sender. It is designed for use with the RadioShack 2.4 GHz Wireless Color System (Cat. No. 49-2535). You can also use your camera with the RadioShack Room to Room Audio/Video Sender (Cat. No. 15-1972).

Note: See the Owner's Manuals for the Wireless Color System and Room to Room Audio/Video Sender for more information about using your camera with those products.

Its features include:

Built-In Microphone — lets you hear sound from the area around the camera.

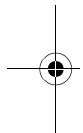


Color CMOS Sensor — provides superior image resolution.



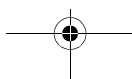
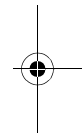
4-Channel Slide Switch — lets you select the same channel as the camera's receiver.

Adjustable Hinged Bracket — lets you adjust the camera to the desired coverage area.



FCC STATEMENT

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control security devices in accordance with the specifications in sub-parts B and



C of Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the equipment and the radio or TV
- use outlets on different electrical circuits for the equipment and the radio or TV

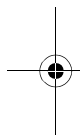
Consult your local RadioShack store if the problem still exists.



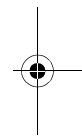
Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.



You must use shielded interface cables with this equipment.

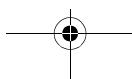


This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



CAMERA MOUNTING GUIDELINES

Before you install the camera, carefully plan where and how you will position it and where you will route the cable that

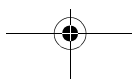
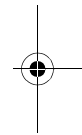
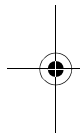




connects the camera to the power source. Consider the following when planning the installation.

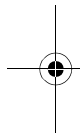


- Select a location for the camera that provides a clear view of the area you want to monitor, is free from dust, and is not in the line-of-sight of a strong light source or in direct sunlight.
- Plan the cable's route so it is not close to power or telephone lines, transformers, or other electrical equipment that could interfere with, or accept interference from, the system.
- Select a location for the camera that has an ambient temperature between -4°F (-20°C) and 122°F (50°C).

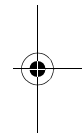




- If you plan to install the camera in a location that has conditions not recommended in this manual, consult with a professional installer and consider use of a separate camera cover or housing.

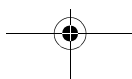


- Before starting a permanent installation, have another person hold the camera while you verify its performance by observing on the monitor. This helps determine the best final position for your camera.



LIGHTING AND YOUR CAMERA'S LOCATION

Though the camera is highly sensitive, it cannot “see” in total darkness over a wide area. To assist the camera's night vision, install a 100-watt incandescent lamp (which is rich in infrared radiation)

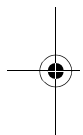




to illuminate the camera's viewing area. You can also use a small incandescent flood lamp. Halogen lamps, other high pressure outdoor lamps, and fluorescent lighting are poor in infrared and are therefore not recommended.

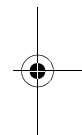


Preparation



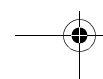
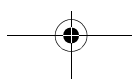
MOUNTING THE CAMERA

You can mount the camera in a permanent location such as a wall or on a movable platform (such as a tripod) for mounting on a desk, shelf, or table.



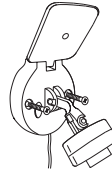
Mounting on a Wall

1. Using the base of the camera as a guide, mark the locations for the two supplied mounting screws on the mounting surface.



2. Drill a starter hole at both marked locations, then drill a third hole below and between the mounting holes to permit the camera's cable to be inserted through the mounting surface.

3. Thread the mounting screws through the holes in the base and into the holes in the mounting surface. Then tighten each screw until the base is secure.



Mounting on a Tripod

To mount the camera on a tripod, thread the tripod's screw head into the screw hole on the bottom of the camera, then tighten it.



SETTING UP THE CAMERA

1. Remove the rubber cover from the front of the camera, then use a pointed object (such as a paper clip) to slide the channel switch to any setting (A, B, C, or D) to match the setting on the receiver. Then replace the rubber cover.
2. Hold the camera's base and swivel the camera's head until it is in position for the desired view.
3. Adjust the camera's antenna so its flat side faces in the direction of the TV or monitor the receiver is connected to.
4. Plug the camera's barrel plug into the power socket of the supplied Plug 'n Power adapter.

5. Use a small screwdriver to set **UNIT** on the supplied Plug 'n Power adapter to the number you want to control with the control system, then set **HOUSE** on the adapter to the same letter the control system is set to.

Note: See the control system's Owner's Manual for complete installation and operating instructions.

6. Connect the Plug 'n Power adapter to a standard AC outlet.

Care

Keep the camera dry; if it gets wet, wipe it dry immediately. Use and store the camera only in normal temperature environments. Handle the camera carefully; do not drop it. Keep the camera away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

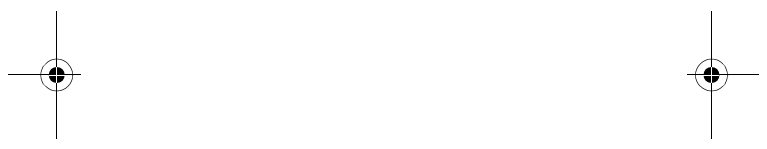
Modifying or tampering with the camera's internal components can cause a malfunction and might invalidate its warranty. If your camera is not performing as it should, take it to your local RadioShack store for assistance.

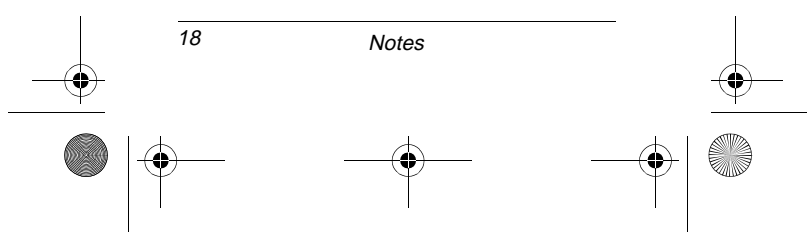
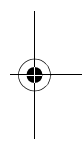
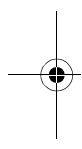
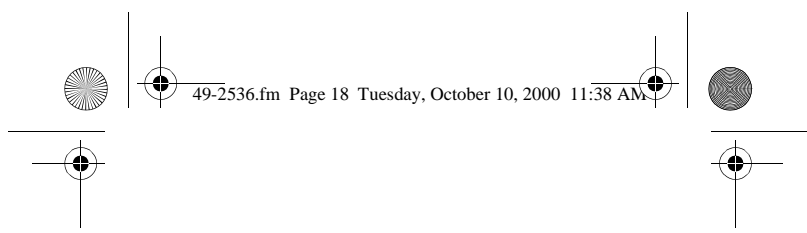
Specifications

Imager CMOS Color Sensor
 Input Voltage 12V DC
 Power Requirement 200 mW
 RF Output 50,000 μ V/m @ 3 m
 Modulation FM (Video and Audio)
 Format 1/3-inch
 Focal Length 5.6 mm
 Focus Distance 20 cm – infinity
 Field Angle 60°
 Array Size (NTSC) 510 \times 492
 Resolution 310 TV lines
 Scanning 2:1 interlace
 Video Output 2 V p-p, 75 Ohm
 Auto Shutter 1/60 to 1/15,000 sec.

Image Area (NTSC) 0.18 × 0.13 in
 (4.69 × 3.54 mm)
 Gamma Correction (On/Off) 0.45
 S/N 42 dB
 Minimum Illumination 5 lux
 Humidity Limits 0 – 95%
 Sensor Package 48-Pin LCC
 Dimensions (HWD) 5 × 2¹/₂ × 3⁷/₈ in
 (127 × 63.5 × 99 mm)
 Weight (with wire) 3.6 oz
 (104 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.





Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and *(continued)*

(continued) labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor,
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